

Cambridge Audio Tech specs

Azur 640R HDMI 7.1 AV Receiver



640R specifications

Features

HDMI switching

Analogue video up-conversion (transcode composite to S-Video, s-video to Component)

HDTV capable via component video or HDMI/DVI

Decoding formats PCM, Dolby EX, DTS ES, DTS Matrix/Discrete, PLII/PLIIX, DTS Neo:6 all in 5.1/6.1 or 7.1 variants

32-bit DSP, 24/192 capable DACS

Post processed Dolby / DTS modes (convert 5.1 to 7.1)

Full on screen display

Separate stereo DAC for left/right from surround channel codec

Audio inputs 8 line analogue, tuner (FM/AM), 7.1 analogue input, 5 digital coaxial, 6 digital optical

Video inputs 5 composite, 5 s-video, 3 component video, 3 HDMI

Main audio outputs 7 amplified speaker outputs, 7.1 preamp outputs

Main video outputs 1 composite, 1 s-video, 1 component video, 1 HDMI

Recording audio outputs 2 line level analogue, 2 digital coaxial, 2 digital optical

Recording video outputs 1 composite, 1 s-video

Other connections 1 1/4" / 6.35mm headphone output, Control bus input/output, 1 IR emitter In, 1 RS232C, 1 IEC type mains inlet

Incognito Ready™/A-BUS Ready™ 2 A-BUS keypad outputs (2nd/3rd Zone), 3 IR emitter outputs, 2 composite video outputs (2nd/3rd Zone), 1 external power supply input 24VDC

Movie, music, game optimisation

Audio split mode watch and listen to different sources

Full function aluminium face azur navigator remote

Available in silver/black

Audio

Power output

2 x 120 watts rms per channel, 8 ohms (two channels driven)
7 x 100 watts rms per channel, 8 ohms (all 7 channels driven)

THD <0.006% @1kHz

Crosstalk <-60dB @ 1kHz

Frequency response 10Hz -20kHz - 1dB

S/N Ratio >90dB 'A' weighted

Audio input impedance/sensitivity 47kOhms/175mV or greater

Digital input impedance 75ohms (coaxial/SPDIF)

Tone controls

Bass +/-10dB @ 100Hz

Treble +/-10dB @ 10Hz

Tuner

FM mode / RDS 87.5-108MHz, 75 ohm coaxial aerial

AM mode 522-1629Hz, 300 ohm loop aerial

General

Standby power consumption <10w

Quiescent power consumption <70w

Max power consumption 1400w

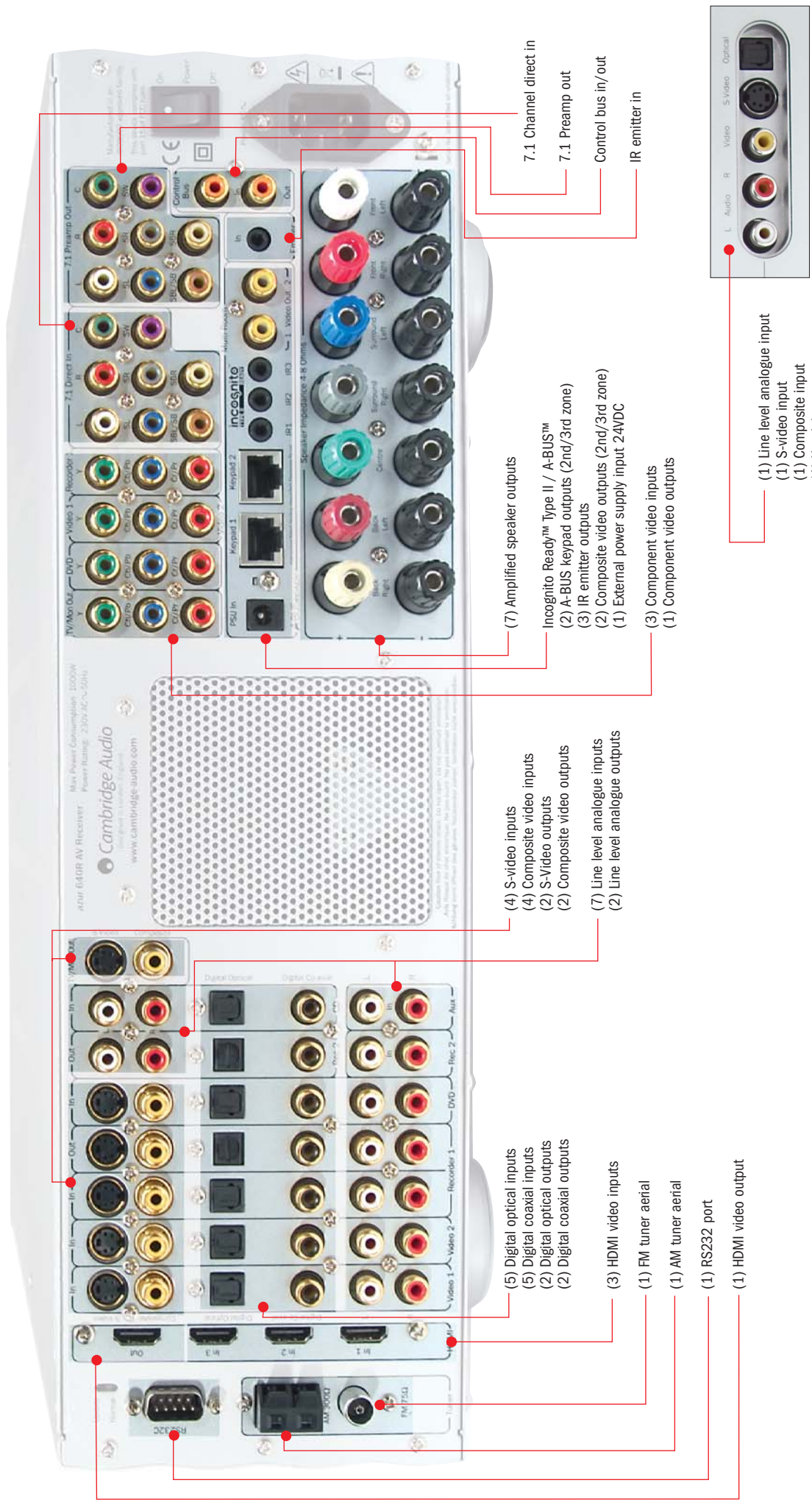
Dimensions hwxwd 150x425x420mm (5.9x16.7x16.6inches)

Weight 15kg (33lbs)

Cambridge Audio's policy is one of continuous improvement. Design and specifications are therefore subject to change without prior notice.

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- (7) Channel direct in
- (7) 7.1 Preamp out
- (7) 7.1 Preamp out
- (7) Control bus in/out
- (7) IR emitter in
- (7) Amplified speaker outputs
- Incognito Ready™ Type II / A-BUS™
- (2) A-BUS keypad outputs (2nd/3rd zone)
- (3) IR emitter outputs
- (2) Composite video outputs (2nd/3rd zone)
- (1) External power supply input 24VDC
- (3) Component video inputs
- (1) Component video outputs

- (4) S-video inputs
- (4) Composite video inputs
- (2) S-Video outputs
- (2) Composite video outputs
- (7) Line level analogue inputs
- (2) Line level analogue outputs

- (5) Digital optical inputs
- (5) Digital coaxial inputs
- (2) Digital optical outputs
- (2) Digital coaxial outputs
- (3) HDMI video inputs
- (1) FM tuner aerial
- (1) AM tuner aerial
- (1) RS232 port
- (1) HDMI video output

- (1) Line level analogue input
- (1) S-video input
- (1) Composite input
- (1) Headphone output
- (1) Digital optical output

Front panel connections

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